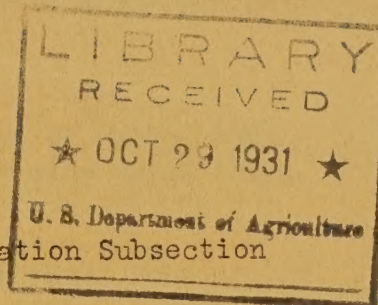


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EXGP:
PROPOSED INQUIRY BY THE COMMITTEE ON
EXPERIMENT STATION ORGANIZATION AND POLICY



At its meetings in November, 1930, the Experiment Station Subsection of the Association of Land-Grant Colleges and Universities directed that the Committee on Experiment Station Organization and Policy:

"Continue its study with reference to the usage of Federal funds in station research in forestry with a view of reporting at the next annual convention."

As developed in the committee discussions prior to the 1930 meetings, the question of issue is whether the present restricted use of Federal Hatch, Adams, and Purnell funds, especially Purnell funds, might properly and wisely be liberalized to include investigations in the field of forestry of a character considered under present policy as not eligible as projects under these Federal funds. If the policy should be liberalized, what character of additional investigations should be authorized?

Character of investigations now authorized as projects on Adams and Purnell funds.

For your information the character of investigations now authorized on Adams and Purnell funds are illustrated by the following current projects:

Adams

Tolerance of New England Forest Trees (Approved 1910; revised February 20, 1928).--To study the environmental factors determining the height and diameter growth of forest trees. Study begins with trees in seed beds grown under different qualities and quantities of light with varying soil moisture, humidity, etc. Height and diameter growth, dry weight data, transplantation studies, recovery from stunting, spacing, maximum growth, etc., are to be considered.

Study of the Influence of Mountains and Forests upon the Conservation of Snow (Approved June 11, 1915).--Comparing economic methods of measuring snow, to be carried on at Lake Tahoe Basin, to determine methods of forestry by which snow may best be conserved and the most favorable means of developing hydroelectric power.

Plant Succession; Ecology of Reproduction (Approved June 24, 1926; Revised February 20, 1928).--Data gathered on experiment and control plats in forest areas of spruce, white pine, birch and spruce and ash

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and maple, listing plants as to kind and percentage of entire vegetation in the natural seed bed of a cleared forest area until final reestablishment of forest.

Carbohydrate Storage in Maple Wood (Approved 1909; Revised February 20, 1928; May 1, 1929).--To study (1) the nature of material included in and adjacent to cambium layer, with special reference to its proteid, carbohydrate, and ash contents; (2) existence of sap in inner bark and its chemical composition; (3) seasonal variations of pentosans content of maple wood in different sections of the trunk; (4) Ca, Mg, K, Mn, and P contents of maple wood obtained in different seasons and from different sections of the trunk; (5) nature and significance of nitrogenous constituents of the sap.

Purnell

An Investigation of the Distribution and Growth of Forest Trees as Influenced by Soil Conditions (Approved January 4, 1926).--To study (1) some of the basic factors, such as soil moisture, acidity, and nutrients, which are inherent in forest soils and which must influence the growth and distribution of tree species or groups (forest types) with reference to the soil types on which they grow, (2) the growth and yield of forests as influenced by the soil.

Marketing Indiana Woodland Products (Approved October 19, 1928).--To study (1) the cutting, methods of marketing, and returns on woodland products of Indiana, (2) sizes, grades, handling, seasoning, care, condition, and use of products produced. Information is to be obtained from producers, loggers, sawmill operators, county agents, and consumers in five typical areas in the State, which, in addition to that noted above, relates to markets, transportation, demands, and specifications of consumers, possibilities of creating markets for products unmarketable, method of handling, seasoning, and care of products for placing them on the market in a prime condition.

Market Outlets for Woodland Products in Northeastern Minnesota (Approved November 11, 1929).--To find existing and potential markets for products which may be cut from the farm woodlands in northeastern Minnesota and to develop methods of utilizing forest by-products.

A Study of the Relation of Soil Moisture to Forest Tree Seed Germination and Seedling Growth in the Nursery (Approved February 1, 1930).--To study the effects of varying degrees of soil moisture on (1) total and rate of germination, germinative energy period, and germinative capacity of certain tree seeds, (2) growth in height, production of dry matter, and relative development of root and shoot of seedlings.

Such projects are subject of course to the same requirements as to definiteness of purpose and scope as are those in agricultural chemistry, dairy husbandry, and other authorized fields. Meeting these requirements they are considered proper subjects for investigation on the respective Federal funds.

Your committee will appreciate a frank statement from you on this subject. In order that the inquiry may be most helpful with a minimum of time on your part, the following questions are presented as a basis for your consideration and reply. Additional suggestions and comments are invited.

1. Should the present policy as to use of Federal funds in station research in forestry be liberalized?

Yes
(check)

No
(check)

2. If answer to No. 1 is yes, what should be the character of additional projects authorized?

a. Suitable projects having to do with forest production as a means of utilizing certain marginal agricultural lands. Yes No
(check) (check)

b. Problems connected with the care, management, and marketing of farm woodlot products. Yes No
(check) (check)

c. Problems connected with windbreaks in relation to farming and home building. Yes No
(check) (check)

d. Utilization of cut-over lands. Yes No
(check) (check)

e. Projects in forest ecology, physiology, planting, measuration, management and the like. Yes No
(check) (check)

Others:

Comments:

